

What is claimed is:

1. A brush holding device comprising a dielectric resin circuit board and at least one metal brush holder secured to said circuit board at its base portion, said circuit board being secured to a motor housing, each said brush holder including a receiving recess that receives a brush and a spring for urging said brush against a commutator, wherein one of said each brush holder and said circuit board or said housing has at least one engaging portion integrally formed therein for achieving resilient engagement between said each brush holder and said circuit board or said housing.

2. A brush holding device according to claim 1, wherein said at least one engaging portion achieves said resilient engagement between a predetermined part of a top portion of said each brush holder and said circuit board or said housing.

3. A brush holding device according to claim 1, wherein said at least one engaging portion achieves said resilient engagement between a predetermined part of a radially outer portion of said each brush holder and said circuit board or said housing.

4. A brush holding device according to claim 2, wherein said at least one engaging portion achieves said resilient engagement between a predetermined part of a radially outer portion of said each brush holder and said circuit board or said housing.

5. A brush holding device according to claim 1, wherein said at least one engaging portion achieves said resilient engagement between said circuit board or said housing and at least one of opposed circumferential sides of said each brush holder.

6. A brush holding device according to claim 1, wherein said at least one engaging portion achieves said resilient engagement between a predetermined part of said each brush holder, which is located at a trailing side thereof in a rotational direction of said commutator, and said circuit board or said housing.

7. A brush holding device according to claim 1, wherein said at least one engaging portion includes at least one engaging piece that is integrally formed in said each brush holder and exerts resilient force, said at least one engaging piece resiliently engaging against said circuit board.

8. A brush holding device according to claim 1, wherein said at least one engaging portion includes at least one engaging piece that extends from a top portion of said each brush holder and resiliently engages against a corresponding radially outer portion of said circuit board or a corresponding radially outer portion of said housing.

9. A brush holding device according to claim 1, wherein said at least one engaging portion includes a plurality of engaging

pieces that extend radially inwardly from a portion of said circuit board or a portion of said housing located radially outward of said each brush holder toward a radially outer side of said each brush holder to resiliently engage against said radially outer side of said each brush holder, each one of said plurality of engaging pieces having a decreasing width that decreases radially inwardly.

10. A brush holding device according to claim 1, wherein said at least one engaging portion includes two engaging pieces that extend radially outwardly from opposed circumferential sides of said each brush holder and that resiliently engage against a portion of said circuit board or a portion of said housing located radially outward of said each brush holder, each one of said two engaging pieces having a height substantially the same as that of said each brush holder.

11. A brush holding device according to claim 1, wherein said at least one engaging portion includes two engaging pieces that extend circumferentially outwardly away from top portions of opposed circumferential sides of said each brush holder, respectively, and that resiliently engage against radially outer portions of said circuit board or radially outer portions of said housing, respectively.

12. A brush holding device according to claim 1, wherein said at least one engaging portion includes two engaging pieces that

extend circumferentially outwardly away from top portions of opposed circumferential sides of said each brush holder, respectively, and that resiliently engage against portions of said circuit board or portions of said housing, respectively, said portions of said circuit board or said portions of said housing being located adjacent to said opposed circumferential sides of said each brush holder, respectively.

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